



Order Patent

(19)



JAPANESE PATENT OFFICE

## PATENT ABSTRACTS OF JAPAN

(11) Publication number:

02220323 A

(43) Date of publication of application: 03.09.1990

(51) Int. Cl.

H01H 73/00

H01H 71/00

(21) Application number:

01042253

(22) Date of filing:

22.02.1989

(71) Applicant: FUJI ELECTRIC CO LTD

(72) Inventor: KIKUCHI SHUICHI

## (54) OVERLOAD PROTECTION DEVICE FOR SWITCH

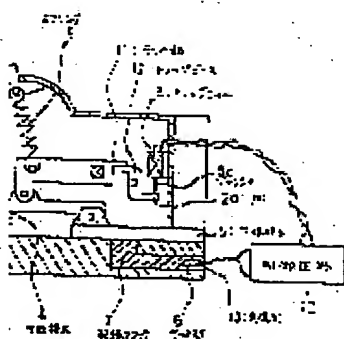
(57) Abstract

**PURPOSE:** To ensure effective implementation of overload protection by installing a non-mechanical thermosensitive element enclosed in an insulating body having a high rate of thermal conductivity close to a main circuit conductor and controlling circuit breaking through detection output of the thermosensitive element.

**CONSTITUTION:** A thermistor 6 that senses temperature without any mechanical action is embedded in an insulation block 7 with high rate of thermal conductivity, and is installed close to a main circuit and separately from a frame 1 on which an upper terminal 2 and a

has a circuit construction with no mechanically moving portion. As a result, overload pickup current can be regulated with the resulting enhanced vibration resistance and impact resistance.

COPYRIGHT: (C)1990, JPO&amp;Japio





OrderPatent